

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN DIEGO REGION**

**TENTATIVE MONITORING AND REPORTING PROGRAM NO. R9-2004-0409  
FOR THE  
RAMONA UNIFIED SCHOOL DISTRICT  
HANSON ELEMENTARY SCHOOL  
SAN DIEGO COUNTY**

**A. MONITORING PROVISIONS**

1. Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring points specified in this Monitoring and Reporting Program (M&RP) and, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water or substance. Monitoring points shall not be changed without notification to and the approval of the Executive Officer.
2. Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed, calibrated and maintained to ensure that the accuracy of the measurements are consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of less than +10 percent from true discharge rates throughout the range of expected discharge volumes.
3. Monitoring must be conducted according to United States Environmental Protection Agency (USEPA) test procedures approved under Title 40, Code of Federal Regulations (CFR), Part 136, "Guidelines Establishing Test Procedures for Analysis of Pollutants Under the Clean Water Act" as amended, unless other test procedures have been specified in this M&RP.
4. All analyses shall be performed in a laboratory certified to perform such analyses by the California Department of Health Services or a laboratory approved by the Executive Officer.
5. Monitoring results must be reported on discharge monitoring report forms approved by the Executive Officer.

6. If the Ramona Unified School District (discharger) monitors any pollutants more frequently than required by this M&RP, using test procedures approved under 40 CFR, Part 136, or as specified in this M&RP, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the discharger's monitoring report. The increased frequency of monitoring shall also be reported.
7. The discharger shall retain records of all monitoring information, including all calibration and maintenance records and copies of all reports required by this M&RP, and records of all data used to complete the application for this M&RP. Records shall be maintained for a minimum of five years from the date of the sample, measurement, report or application. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board Executive Officer.
8. Records of monitoring information shall include the following:
  - a. The date, exact place, and time of sampling or measurements,
  - b. The individual(s) who performed the sampling or measurements,
  - c. The date(s) analyses were performed,
  - d. The individual(s) who performed the analyses,
  - e. The analytical techniques or method used, and
  - f. The results of such analyses.
9. All monitoring instruments and devices that are used by the discharger to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy.
10. The discharger shall report all instances of noncompliance not reported under Standard Provision E.5 of Order No. R9-2004-0409 at the time monitoring reports are submitted. The reports shall contain the information described in Provision E.5.
11. The monitoring reports shall be signed by an authorized person as required by Standard Provision E.17.
12. A grab sample is an individual sample of at least 100 milliliters collected at a randomly selected time over a period not exceeding 15 minutes.
13. The discharger shall identify all missing or non-valid monitoring or sampling results in monitoring reports submitted. All instances of missing or non-valid results must be accompanied by an explanation of their root

cause and the steps the discharger has or will take to prevent future instances. Missing or non-valid results may be considered violations of Order No. R9-2004-0409 that could result in enforcement action depending on the frequency of such instances and efforts by the discharger to prevent such failures.

## B. DISCHARGE MONITORING

1. The discharger is responsible for the monitoring and reporting of effluent<sup>1</sup> to the subsurface drip disposal system in accordance with the following criteria:

CONSTITUENT	UNIT	TYPE OF SAMPLE	SAMPLING FREQUENCY <sup>2,3</sup>	REPORTING FREQUENCY <sup>3</sup>
Flowrate <sup>4</sup>	Gallons/Day	Measurement	Daily	Quarterly
Total Dissolved Solids	mg/L	Grab	Quarterly	Quarterly
Nitrate (as NO <sub>3</sub> )	mg/L	Grab	Quarterly	Quarterly
Nitrite (as NO <sub>2</sub> )	mg/L	Grab	Quarterly	Quarterly
Kjeldahl Nitrogen (as N)	mg/L	Grab	Quarterly	Quarterly
Total Nitrogen (as N)	mg/L	Grab	Quarterly	Quarterly
Boron	mg/L	Grab	Quarterly	Quarterly
Chloride	mg/L	Grab	Quarterly	Quarterly
Sulfate	mg/L	Grab	Quarterly	Quarterly
Manganese	mg/L	Grab	Quarterly	Quarterly
Fluoride	mg/L	Grab	Quarterly	Quarterly
MBAS	mg/L	Grab	Quarterly	Quarterly
Iron	mg/L	Grab	Quarterly	Quarterly
Total Suspended Solids	mg/L	Grab	Quarterly	Quarterly
Biochemical Oxygen Demand (BOD <sub>5</sub> @ 20°C)	mg/L	Grab	Quarterly	Quarterly

Notes: mg/L = milligrams per liter

- 1 Samples of effluent shall be collected immediately prior to its introduction to the subsurface drip disposal system.
- 2 The discharger shall increase the sampling frequency from quarterly to monthly, from semiannually to quarterly, and from annually to semiannually for any noted constituent that exceeds the limit specified by Performance Requirements of Order No. R9-2004-

0409. The increased frequency of monitoring shall continue until the discharger achieves compliance with the limitations for three consecutive periods. After compliance is achieved, the discharger shall resume sampling at the specified frequency. Monthly is defined as a calendar month. Quarterly is defined as three consecutive calendar months beginning at the first of the year. Semiannually is defined as six consecutive calendar months beginning at the first of the year. Annual is defined as a calendar year.

- 3 Monitoring and reporting is to be done quarterly for the first 2 years after adoption of Order No. R9-2004-0409. After 2 years, if the discharger has demonstrated compliance with the Performance Requirements, monitoring and reporting frequency shall be changed to semiannual. The change of monitoring frequency does not apply to flowrate.
  - 4 Report both the daily total and monthly average flowrate for the reporting period for the discharge of effluent from the dosing tank to the subsurface drip disposal system. Flowrate shall be monitored daily and reported with the frequency as directed by footnote number 3 above.
2. Groundwater samples shall be collected from all monitoring wells as approved by the Regional Board in accordance with Section F. The discharger is responsible for the monitoring and reporting of the groundwater from compliance and background monitoring wells in accordance with the following criteria:

CONSTITUENT	UNIT	TYPE OF SAMPLE	SAMPLING FREQUENCY <sup>1,2</sup>	REPORTING FREQUENCY <sup>2</sup>
Total Dissolved Solids	mg/L	Grab	Quarterly	Quarterly
Nitrate (as NO <sub>3</sub> )	mg/L	Grab	Quarterly	Quarterly
Nitrite (as NO <sub>2</sub> )	mg/L	Grab	Quarterly	Quarterly
Kjeldahl Nitrogen (as N)	mg/L	Grab	Quarterly	Quarterly
Total Nitrogen (as N)	mg/L	Grab	Quarterly	Quarterly
Boron	mg/L	Grab	Quarterly	Quarterly
Chloride	mg/L	Grab	Quarterly	Quarterly
Sulfate	mg/L	Grab	Quarterly	Quarterly
Manganese	mg/L	Grab	Quarterly	Quarterly
Fluoride	mg/L	Grab	Quarterly	Quarterly
MBAS	mg/L	Grab	Quarterly	Quarterly
Iron	mg/L	Grab	Quarterly	Quarterly

Notes: mg/L = milligrams per liter

- 1 The discharger shall increase the sampling frequency from quarterly to monthly, from semiannually to quarterly, and from annually to semiannually for any noted constituent that exceeds the limit specified by Performance Requirements of Order No. R9-2004-

0409. The increased frequency of monitoring shall continue until the discharger achieves compliance with the limitations for three consecutive periods. After compliance is achieved, the discharger shall resume sampling at the specified frequency. Monthly is defined as a calendar month. Quarterly is defined as three consecutive calendar months beginning at the first of the year. Semiannually is defined as six consecutive calendar months beginning at the first of the year. Annual is defined as a calendar year.

2. Monitoring and reporting is to be done quarterly for the first 2 years after adoption of Order No. R9-2004-0409. After 2 years, if the discharger has demonstrated compliance with the Performance Requirements, monitoring and reporting frequency shall be changed to semiannual.
3. The discharger shall review the monitoring results for compliance with Order No. R9-2004-0409 and submit a statement of compliance as part of the Monitoring and Reporting Program No. R9-2004-0409. The statement of compliance shall identify and report all violations of Performance Requirements and Discharge Specifications of Order No. R9-2004-0409.

#### C. POTABLE SUPPLY WATERS

Analysis of the potable waters supplied to the Hanson Elementary School shall be conducted for the following constituents with the following schedule:

CONSTITUENT	UNIT	SAMPLING FREQUENCY	REPORTING FREQUENCY
TDS	mg/L	Semiannually	Semiannually
Sulfate	mg/L	Semiannually	Semiannually
Chloride	mg/L	Semiannually	Semiannually

#### D. MAINTENANCE AND INSPECTION

1. The discharger shall monitor the primary settling tank (septic tank) and report the results as described below:

PARAMETER	UNIT	TYPE OF MEASUREMENT	MINIMUM INSPECTION FREQUENCY	REPORTING FREQUENCY
Sludge depth and scum thickness in each compartment of each septic tank	Feet	Staff Gauge	Semiannually	Semiannually
Distance between bottom of scum layer and bottom	Inches	Staff Gauge	Semiannually	Semiannually

PARAMETER	UNIT	TYPE OF MEASUREMENT	MINIMUM INSPECTION FREQUENCY	REPORTING FREQUENCY
of outlet device				
Distance between top of sludge layer and bottom of outlet device	Inches	Staff Gauge	Semiannually	Semiannually

2. The septic tank shall be pumped when any one of the following conditions exist, or may occur before the next inspection:
  - a. The combined thickness of sludge and scum exceeds one-third of the tank depth of the first compartment; or,
  - b. The scum layer is within three inches of the outlet device; or,
  - c. The sludge layer is within eight inches of the outlet device.
3. A qualified service provider shall inspect the septic tank at least every five years to ensure that the level of settleable solids does not impair the performance of the septic tank.

#### **E. SEWAGE SOLIDS AND BIOSOLIDS**

A record of the type, quantity, manner, and location of disposal of all solids removed in the course of sewage treatment shall be maintained by the discharger and be submitted to the Regional Board annually.

A biosolids certification, certifying that the disposal of biosolids complies with existing Federal and State laws and regulations, including permitting requirements and technical standards included in 40 CFR 503 shall be submitted annually.

#### **F. MONITORING WELLS**

The discharger shall submit an initial monitoring well plan to the Regional Board within 30 days of adoption of this Order. The initial monitoring well plan shall include, but not be limited to, the number, location, and depth of monitoring wells (both background and compliance monitoring wells). Monitoring wells shall be installed to groundwater depth to provide representative groundwater samples of constituents at the frequency specified in Section B.3 above to verify compliance with the limitations specified in Waste Discharge Requirements Section B, *Performance Requirements* and the Basin Plan groundwater quality objectives. The monitoring well plan is subject to approval by the Regional Board.

**G. OPERATOR STAFFING**

The discharger shall include with the quarterly monitoring report a list of all wastewater treatment operator(s) employed or contracted by the Ramona Unified School District who performed operation and maintenance on the system during the quarter along with their qualifications and training.

**H. REPORT SCHEDULE**

Monitoring reports shall be submitted to the Executive Officer in accordance with the following schedule:

<u>Reporting Frequency</u>	<u>Report Period</u>	<u>Report Due</u>
Quarterly	January - March	May 1 <sup>st</sup>
	April - June	August 1 <sup>st</sup> ,
	July - September	November 1 <sup>st</sup>
	October - December	February 1 <sup>st</sup>
Semiannually	January – June	August 1 <sup>st</sup>
	July – December	February 1 <sup>st</sup>
Annually	January – December	February 1 <sup>st</sup>

**Monitoring reports shall be submitted to:**

ATTN: POTW Compliance Unit  
California Regional Water Quality Control Board  
San Diego Region  
9174 Sky Park Court, Suite 100  
San Diego, CA 92123

Ordered by: TENTATIVE  
JOHN H. ROBERTUS  
Executive Officer

Date: December 8, 2004